

-continued

Asn 85	Ile	Lys	Tyr	Ile	Ala 90	Ala	Gly	Asn	Glu	Val 95	Gln	Gly	Gly	Ala	Thr 100
Gln	Ser	Ile	Leu	Pro 105	Ala	Met	Arg	Asn 110	Leu	Asn	Ala	Ala	Leu	Ser 115	Ala
Ala	Gly	Leu	Gly 120	Ala	Ile	Lys	Val	Ser 125	Thr	Ser	Ile	Arg	Phe 130	Asp	Gln
Val	Ala	Asn 135	Ser	Phe	Pro	Pro	Ser 140	Ala	Gly	Val	Phe	Lys 145	Asn	Ala	Tyr
Met 150	Thr	Asp	Val	Ala	Arg	Leu 155	Leu	Ala	Ser	Thr	Gly 160	Ala	Pro	Leu	Leu
Ala 165	Asn	Val	Tyr	Pro	Tyr 170	Phe	Ala	Tyr	Arg	Asp 175	Asn	Pro	Gly	Ser	Ile 180
Ser	Leu	Asn	Tyr	Ala 185	Thr	Phe	Gln	Pro	Gly 190	Thr	Thr	Val	Arg	Asp 195	Gln
Asn	Asn	Gly	Leu 200	Thr	Tyr	Thr	Ser	Leu 205	Phe	Asp	Ala	Met	Val 210	Asp	Ala
Val	Tyr	Ala 215	Ala	Leu	Glu	Lys	Ala 220	Gly	Ala	Pro	Ala	Val 225	Lys	Val	Val
Val 230	Ser	Glu	Ser	Gly	Tyr	Pro 235	Ser	Ala	Gly	Gly	Phe	Ala	Ala	Ser	Ala
Gly 245	Asn	Ala	Arg	Thr	Tyr 250	Asn	Gln	Gly	Leu	Ile 255	Asn	His	Val	Gly	Gly 260
Gly	Thr	Pro	Lys	Lys 265	Arg	Glu	Ala	Leu	Glu 270	Thr	Tyr	Ile	Phe	Ala 275	Met
Phe	Asn	Glu	Asn 280	Gln	Lys	Thr	Gly	Asp 285	Ala	Thr	Glu	Arg	Ser 290	Phe	Gly
Leu	Phe	Asn 295	Pro	Asp	Lys	Ser	Pro 300	Ala	Tyr	Asn	Ile	Gln	Phe 305		

We claim:

1. A process for producing a plant having increased resistance to fungal attack, comprising topically applying, to a transgenic plant, a first gene product of a gene selected from the group consisting of a ChiG gene from barley, a GluG gene from barley, a PSI gene from barley, and an AFP gene from *Aspergillus giganteus*, wherein the transgenic plant carries at least two transgenes, each operably linked to a plant-functional promoter, wherein one transgene is a ChiS gene from *Serratia marcescens* and a second transgene is a gene selected from the group consisting of a ChiG gene from barley, a GluG gene from barley, a PSI gene from barley, and an AFP gene from *Aspergillus giganteus*, provided that the second transgene does not encode the first gene product.

2. A process for producing a plant having increased resistance to fungal attack, comprising topically applying, to

a transgenic plant, a first gene product of a gene selected from the group consisting of a ChiG gene from barley, a GluG gene from barley, a PSI gene from barley, and a ChiS gene from *Serratia marcescens*, wherein the transgenic plant carries at least two transgenes, each operably linked to a plant-functional promoter, wherein one transgene is an AFP gene from *Aspergillus giganteus* and a second transgene is a gene selected from the group consisting of a ChiG gene from barley, a GluG gene from barley, a PSI gene from barley, and a ChiS gene from *Serratia marcescens*, provided that the second transgene does not encode the first gene product.

* * * * *